

# USER MANUAL



**The BlueNANO is a mini, high definition Bluetooth speaker designed to provide the high definition sound your digital life demands. Simply pair your handheld device with the BlueNANO to enjoy dynamic stereo sound.**

## ● **Includes:**

1. The BlueNANO high definition Bluetooth speaker
2. Charging Cable
3. Line In Audio Cable

## ● **Features:**

1. Bluetooth Audio Input
2. Line In Audio Input
3. Bluetooth indicator - Blue LED light
4. Line In indicator - Red LED light
5. Power switch with three positions: Bluetooth, Off, On

## ● **Playing Music with a Bluetooth Connection:**

1. Move the BlueNANO power switch to the “Bluetooth” position (left of “Off”).
2. After three seconds the BlueNANO will beep once and the LED light will blink blue, indicating that it is in pairing mode.
3. On your mobile device, turn Bluetooth on, search for Bluetooth devices, and select “BlueNANO”.
4. If you are prompted to enter a password to complete pairing, enter 0000. The BlueNANO will connect to your device and be ready for use.

5. Note: If the BlueNANO is moved out of range or runs out of power and drops the connection to your portable device, you will need to recharge or move the BlueNANO closer to your portable device and return to step 1 above to reestablish the Bluetooth connection.

## ● **Playing Music with a Line In Connection:**

1. Move the BlueNANO power switch to the “On” position (right of “Off”). The red LED light will turn on.
2. Plug the provided audio cable into the BlueNANO and then into your portable device. The BlueNANO is now ready for use.

## ● **Low Battery Warning:**

When the BlueNANO’s battery is running low it will beep every 30 seconds.

## ● **Specifications**

1. Bluetooth Range: <10 meters
2. Voltage: 3.6-4.2 V
3. Current - Bluetooth module: <30mA
4. Current - Power Amplifier, Bluetooth: <400mA
5. Current - Standby: <3mA
6. Transmission Power: Class 2 (less than 4dbm)
7. Spread Spectrum: Frequency Hopping Spread Spectrum
8. Bluetooth Version: V2.1 / V2.0 / V1.1 / V1.2
9. Bluetooth Protocol Supported: A2DP / AVRCP
10. Frequency Range: 2.401-2.480 GHz

(2.4GHz ISM Segment)

- 11. Receiver Sensitivity:  $<-90\text{dBm}$ , BER  $<0.1\%$
- 12. SNR: 95dB
- 13. Distortion:  $<0.2\%$
- 14. Frequency Response: 20HZ-20kHz
- 15. Operating Temperature:  $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$
- 16. IEEE 802.11